

Title (en)

METHOD OF APPLYING A THERMALLY SETTABLE COATING TO A PATTERNED SUBSTRATE

Title (de)

VERFAHREN ZUM AUFTRAGEN EINER WÄRMEHÄRTBAREN BESCHICHTUNG AUF EINEN GEMUSTERTEN TRÄGER

Title (fr)

PROCÉDÉ D'APPLICATION D'UN REVÊTEMENT THERMODURCISSABLE SUR UN SUBSTRAT À MOTIFS

Publication

EP 2219866 A1 20100825 (EN)

Application

EP 08841909 A 20081024

Priority

- CA 2008001867 W 20081024
- US 92442107 A 20071025

Abstract (en)

[origin: US2008182016A1] This application relates to a method of applying a thermally settable coating to a patterned substrate, such as an asphalt surface. The coating is applied in one or more preformed thermoplastic sheets and heated in situ to conform the thermoplastic material to the pattern formed in the underlying substrate. In one embodiment of the invention a pattern is formed in the asphalt surface using a removable template which is impressed into the asphalt when it is in a pliable state. The pre-formed sheets are then applied to the patterned surface and gradually heated. In an alternative embodiment of the invention the template is impressed into the pre-formed sheet and asphalt surface simultaneously after the sheet has been heated to a suitable temperature in situ. A bond reduction agent may be used to minimize adhesion between the template and the heated thermoplastic material. In a further alternative embodiment of the invention the thermoplastic material may be stamped after it has melted and partially cooled to cause the thermoplastic to more precisely conform to the underlying pattern.

IPC 8 full level

E01C 19/43 (2006.01); **E01F 9/04** (2006.01)

CPC (source: EP US)

E01C 19/43 (2013.01 - EP US); **E01C 23/028** (2013.01 - EP US); **E01C 23/14** (2013.01 - EP US); **E01F 9/512** (2016.02 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

US 2008182016 A1 20080731; **US 8133540 B2 20120313**; AU 2008316278 A1 20090430; AU 2008316278 B2 20120524; CA 2608668 A1 20090426; CA 2608668 C 20150707; DK 2219866 T3 20140616; EP 2219866 A1 20100825; EP 2219866 A4 20120704; EP 2219866 B1 20140312; ES 2469667 T3 20140618; JP 2011501006 A 20110106; JP 5400052 B2 20140129; PT 2219866 E 20140623; WO 2009052619 A1 20090430

DOCDB simple family (application)

US 92442107 A 20071025; AU 2008316278 A 20081024; CA 2008001867 W 20081024; CA 2608668 A 20071026; DK 08841909 T 20081024; EP 08841909 A 20081024; ES 08841909 T 20081024; JP 2010530231 A 20081024; PT 08841909 T 20081024